

Appl. No. : 10/063,563
Filed : May 2, 2002

AMENDMENTS TO THE CLAIMS

1-3. (Canceled).

4. (Currently Amended) ~~The An isolated polypeptide of Claim 1~~ having at least 95% amino acid sequence identity to:

(a) the amino acid sequence of the polypeptide of SEQ ID NO: 56;

(b) the amino acid sequence of the polypeptide of SEQ ID NO: 56, lacking its associated signal peptide;

(c) the amino acid sequence of the extracellular domain of the polypeptide of SEQ ID NO: 56;

(d) the amino acid sequence of the extracellular domain of the polypeptide of SEQ ID NO: 56, including its associated signal peptide; or

(e) the amino acid sequence of the polypeptide encoded by the full-length coding sequence of the cDNA deposited under ATCC accession number 2030005;

wherein said isolated polypeptide is more highly expressed in melanoma compared to normal skin or wherein said isolated polypeptide is encoded by a polynucleotide that is more highly expressed in melanoma compared to normal skin.

5. (Currently Amended) The isolated polypeptide of ~~Claim 1~~ Claim 4 having at least 99% amino acid sequence identity to:

(a) the amino acid sequence of the polypeptide of SEQ ID NO: 56;

(b) the amino acid sequence of the polypeptide of SEQ ID NO: 56, lacking its associated signal peptide;

(c) the amino acid sequence of the extracellular domain of the polypeptide of SEQ ID NO: 56;

(d) the amino acid sequence of the extracellular domain of the polypeptide of SEQ ID NO: 56, including its associated signal peptide; or

(e) the amino acid sequence of the polypeptide encoded by the full-length coding sequence of the cDNA deposited under ATCC accession number 2030005;

wherein said isolated polypeptide is more highly expressed in melanoma compared to normal skin or wherein said isolated polypeptide is encoded by a polynucleotide that is more highly expressed in melanoma compared to normal skin.

6. (Previously Presented) An isolated polypeptide comprising:

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- (a) the amino acid sequence of the polypeptide of SEQ ID NO: 56;
 - (b) the amino acid sequence of the polypeptide of SEQ ID NO: 56, lacking its associated signal peptide;
 - (c) the amino acid sequence of the extracellular domain of the polypeptide of SEQ ID NO: 56;
 - (d) the amino acid sequence of the extracellular domain of the polypeptide of SEQ ID NO: 56, including its associated signal peptide; or
 - (e) the amino acid sequence of the polypeptide encoded by the full-length coding sequence of the cDNA deposited under ATCC accession number 2030005.
7. (Previously Presented) The isolated polypeptide of Claim 6 comprising the amino acid sequence of the polypeptide of SEQ ID NO: 56.
8. (Previously Presented) The isolated polypeptide of Claim 6 comprising the amino acid sequence of the polypeptide of SEQ ID NO: 56, lacking its associated signal peptide.
- 9-10. (Canceled)
11. (Original) The isolated polypeptide of Claim 6 comprising the amino acid sequence of the polypeptide encoded by the full-length coding sequence of the cDNA deposited under ATCC accession number 2030005.
12. (Currently Amended) A chimeric polypeptide comprising a polypeptide according to ~~Claim 1~~ Claim 4 fused to a heterologous polypeptide.
13. (Currently Amended) The chimeric polypeptide of Claim 12, wherein said heterologous polypeptide is ~~an epitope~~ a tag polypeptide or an Fc region of an immunoglobulin.
14. (New) An isolated polypeptide having at least 95% amino acid sequence identity to:
- (a) the amino acid sequence of the polypeptide of SEQ ID NO: 56;
 - (b) the amino acid sequence of the polypeptide of SEQ ID NO: 56, lacking its associated signal peptide;
 - (c) the amino acid sequence of the extracellular domain of the polypeptide of SEQ ID NO: 56;
 - (d) the amino acid sequence of the extracellular domain of the polypeptide of SEQ ID NO: 56, including its associated signal peptide; or

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(e) the amino acid sequence of the polypeptide encoded by the full-length coding sequence of the cDNA deposited under ATCC accession number 2030005;

wherein said isolated polypeptide or a fragment thereof can be used to generate an antibody which can be used to specifically detect the polypeptide of SEQ ID NO: 56 in skin tissue samples.

15. (New) The isolated polypeptide of Claim 14 having at least 99% amino acid sequence identity to:

(a) the amino acid sequence of the polypeptide of SEQ ID NO: 56;

(b) the amino acid sequence of the polypeptide of SEQ ID NO: 56, lacking its associated signal peptide;

(c) the amino acid sequence of the extracellular domain of the polypeptide of SEQ ID NO: 56;

(d) the amino acid sequence of the extracellular domain of the polypeptide of SEQ ID NO: 56, including its associated signal peptide; or

(e) the amino acid sequence of the polypeptide encoded by the full-length coding sequence of the cDNA deposited under ATCC accession number 2030005;

wherein said isolated polypeptide or a fragment thereof can be used to generate an antibody which can be used to specifically detect the polypeptide of SEQ ID NO: 56 in skin tissue samples.

16. (New) A chimeric polypeptide comprising a polypeptide according to Claim 14 fused to a heterologous polypeptide.

17. (New) The chimeric polypeptide of Claim 16, wherein said heterologous polypeptide is a tag polypeptide or an Fc region of an immunoglobulin.